



RAW SEQUENCE LISTING DATE: 12/19/2001 PATENT APPLICATION: US/09/938,703 TIME: 12:44:35

Input Set : N:\Crf3\RULE60\09938703.txt
Output Set: N:\CRF3\12192001\I938703.raw

SEQUENCE LISTING

			SEQUENCE DISTING
	3	(1) GENE	RAL INFORMATION:
	5	(i)	APPLICANT: SAMSON, MICHEL
	6		PARMENTIER, MARC
	7		VASSART, GILBERT
	8		LIBERT, FREDERICK
	10	(ii)	TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
	11	\ /	AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
	13	(iii)	NUMBER OF SEQUENCES: 17
	15	•	CORRESPONDENCE ADDRESS:
	16	(,	(A) ADDRESSEE: Knobbe, Martens, Olson & Bear
	17		AD CORPERS. 620 Normant Contan Drive 16th Elech
	18		(C) CITY: Newport Beach
	19		(D) STATE: CA
	20		(C) CITY: Newport Beach (D) STATE: CA (E) COUNTRY: U.S.A.
	21		(F) ZIP: 92660
	23	(17)	COMPUTER READABLE FORM:
	24	(*)	(A) MEDIUM TYPE: Floppy disk
	25		(B) COMPUTER: IBM PC compatible
	26		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
	27		(D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
	29	/ 177 1 \	CURRENT APPLICATION DATA:
z>		(\ \ \)	(A) APPLICATION NUMBER: US/09/938,703
>			(B) FILING DATE: 24-Aug-2001
/	32		•
	35	/ i	(C) CLASSIFICATION:
	36	(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	PRIOR APPLICATION DATA:
	37		(A) APPLICATION NUMBER: 09/626,939 (B) FILING DATE: 2000-07-27
		/	· ·
	42 43	(\ 111)	ATTORNEY/AGENT INFORMATION:
			(A) NAME: Altman, Daniel E
	44		(B) REGISTRATION NUMBER: 34,115
	45	401 TYPO	(C) REFERENCE/DOCKET NUMBER:
	47	• •	RMATION FOR SEQ ID NO: 1:
	49	(1)	SEQUENCE CHARACTERISTICS:
	50		(A) LENGTH: 792 base pairs
	51		(B) TYPE: nucleic acid
	52		(C) STRANDEDNESS: single
	53		(D) TOPOLOGY: linear
	55		MOLECULE TYPE: DNA (genomic)
	58	(lx)	FEATURE:
	59		(A) NAME/KEY: CDS
	60		(B) LOCATION: 240791
	63		SEQUENCE DESCRIPTION: SEQ ID NO: 1:
			CC AACAGAGCCA AGCTCTCCAT CTAGTGGACA GGGAAGCTAG CAGCAAACCT 60
			CT ACAAAACTTC ATTGCTTGGC CAAAAAGAG GTTAATTCAA TGTAGACATC 120
			CA ATTAAAAACC TATTGATGTA TAAAACAGTT TGCATTCATG GAGGGCAACT 180
	68	AAATACAT'	TC TAGGACTTTA TAAAAGATCA CTTTTTATTT ATGCACAGGG TGGAACAAG 239





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									GTG								335
73 74	Ser	Glu	Pro	Cys 20	GIn	Lys	IIe	Asn	Val 25	Lys	Gln	Ile	Ala	A1a 30	Arg	Leu	
									TTC								383
	Leu	Pro		Leu	Tyr	Ser	Leu		Phe	Ile	Phe	Gly	Phe 45	Val	Gly	Asn	
77 78	ልጥር	СТС	35 GTC	ΔͲC	СТС	ልጥር	СТС	40 ATA	AAC	тсс	ααα	AGG		AAG	AGC	ATG	431
									Asn								431
80		50					55			- 2		60					
									GCC								479
		Asp	Ile	\mathtt{Tyr}	Leu		Asn	Leu	Ala	Ile		Asp	Leu	Phe	Phe		
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	GGA	AAT	ACA	ATG		CAA	CTC	TTG	ACA		CTC	TAT	TTT	ATA		TTC	575
																Phe ·	
89				100					105					110			
									CTC								623
	Phe	Ser	_	Ile	Phe	Phe	Ile		Leu	Leu	Thr	Ile		Arg	Tyr	Leu	
92	ССП	CTC	115 CTC	CAT	CCT	СТС	ատա	120	TTA	א א א	CCC	ACC	125	CTC	NCC	முருரு	671
									Leu								0/1
95	1114	130	, ar			,	135			2,0		140	****	, 42		1110	
96	GGG	GTG	GTG	ACA	AGT	GTG	ATC	ACT	TGG	GTG	GTG	GCT	GTG	TTT	GCG	TCT	719
97	Gly	Val	Val	Thr	Ser	Val	Ile	Thr	Trp	Val	Val	Ala	Val	Phe	Ala	Ser	
	145					150					155					160	
									TCT								767
101		1 Pro	o GTZ	. TT€	3 11€ 165		e Tni	Arg	y sei	170		S GIL	ı Gıy	у те	1 H18	Tyr	
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131	1		-1-	U	5	-				10				-1-	15		
		GAG	CCC	TGC		AAA	АТС	ААТ	GTG	_	CAA	АТС	GCA	GCC		СТС	335
									Val								333
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137			35		-1-			40				U -1	45		011		
	ATG	CTG		ATC	CTC	ATC	CTG		AAC	TGC	AAA	AGG		AAG	AGC	ATG	431
									Asn								
140		50					55			-1-	-1-	60		-1-			
141	ACT	GAC	ATC	TAC	CTG	CTC	AAC	CTG	GCC	ATC	TCT	GAC	CTG	TTT	TTC	CTT	479
									Ala								
143	65	-		-		70					75	-				80	
144	CTT	ACT	GTC	CCC	TTC	TGG	GCT	CAC	TAT	GCT	GCC	GCC	CAG	TGG	GAC	TTT	527
145	Leu	Thr	Val	Pro	Phe	Trp	Ala	His	Tyr	Ala	Ala	Ala	Gln	Trp	Asp	Phe	
146					85	-			-	90				-	95		
147	GGA	AAT	ACA	ATG	TGT	CAA	CTC	TTG	ACA	GGG	CTC	TAT	TTT	ATA	GGC	TTC	575
148	Gly	Asn	Thr	Met	Cys	Gln	Leu	Leu	Thr	Gly	Leu	Tyr	Phe	Ile	Gly	Phe	
149	_			100	-				105					110			
150	TTC	TCT	GGA	ATC	TTC	TTC	ATC	ATC	CTC	CTG	ACA	ATC	GAT	AGG	TAC	CTG	623
151	Phe	Ser	Gly	Ile	Phe	Phe	Ile	Ile	Leu	Leu	Thr	Ile	Asp	Arg	Tyr	Leu	
152			115					120					125				
153	GCT	GTC	GTC	CAT	GCT	GTG	TTT	GCT	TTA	AAA	GCC	AGG	ACG	GTC	ACC	TTT	671
154	Ala	Val	Val	His	Ala	Val	Phe	Ala	Leu	Lys	Ala	Arg	Thr	Val	Thr	Phe	
155		130					135					140					
156	GGG	GTG	GTG	ACA	AGT	GTG	ATC	ACT	TGG	GTG	GTG	GCT	GTG	TTT	GCG	TCT	719
157	Gly	Val	Val	Thr	Ser	Val	Ile	Thr	Trp	Val	Val	Ala	Val	Phe	Ala	Ser	
158	145					150					155					160	
									TCT								767
	Leu	Pro	Gly	Ile		Phe	Thr	Arg	Ser		Lys	Glu	Gly	Leu		Tyr	
161					165					170					175		
									AGT								815
	Thr	Cys	Ser		His	Phe	Pro	\mathtt{Tyr}	Ser	Gln	Tyr	Gln	Phe	_	Lys	Asn	
164				180					185					190			
									TTG								863
	Phe	GIn		Leu	Lys	ile	Val		Leu	GLY	Leu	Val		Pro	Leu	Leu	
167			195					200					205				
									ATC								911
	val		vaı	тте	Cys	Tyr		GTA	Ile	Leu	ьys		ьeu	ьeu	Arg	cys	
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									GCT								959
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176					245					250					255		
	CTG																1055
	Leu	Asn	Thr		Gln	Glu	Phe	Phe	_	Leu	Asn	Asn	Cys		Ser	Ser	
179				260					265					270			
	AAC																1103
	Asn	Arg		Asp	Gln	Ala	Met		Val	Thr	Glu	Thr		Gly	Met	Thr	
182			275					280					285				
	CAC																1151
	His	_	Cys	Ile	Asn	Pro		Ile	Tyr	Ala	Phe		Gly	Glu	Lys	Phe	
185		290					295					300					
	AGA																1199
	Arg	Asn	Tyr	Leu	Leu		Phe	Phe	Gln	Lys		Ile	Ala	Lys	Arg		
	305					310					315					320	
	TGC																1247
	Cys	Lys	Cys	Cys		Ile	Phe	Gln	Gln		Ala	Pro	Glu	Arg		Ser	
191					325					330					335		
	TCA																1295
	Ser	Val	\mathtt{Tyr}		Arg	Ser	Thr	Gly		Gln	Glu	Ile	Ser		Gly	Leu	
194				340					345					350			
_	-															TTTTCA	1355
																CTGTTA	1415
197	TAG	AGGG1	CT I	AAGA!	TCA?	rc ca	ATTTA	ATTTO	G GC	ATCTO	STTT	AAA(STAG	ATT A	AGAT(CCGAAT	1475
198																	1477
201 (2) INFORMATION FOR SEQ ID NO: 3:																	
203 (i) SEQUENCE CHARACTERISTICS:																	
204			(Z	A) LI	ENGT	I: 14	442 ł	oase	pair	rs							
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209		(ii)				PE:	DNA	(ger	nomic	2)							
212		(ix)		ATURI													
213			-	A) NA	-				_								
214			•	•			240				_						
217							[PTIC										
																AAACCT	60
																GACATC	120
																CAACT	180
																ACAAG	239
	ATG																287
	Met	Asp	Tyr	GIn	Val	ser	Ser	Pro	IIe	_	Asp	IIe	Asn	Tyr	_	Thr	
225	1				5					10					15		
	TCG																335
	Ser	Glu	Pro	-	GIn	ьуs	тте	Asn		гàг	GIn	тте	Ala		Arg	ьeu	
228			~~~	20	m	m.c.:	-	050	25				mm=	30			200
	CTG																383
	Leu	Pro		Leu	Tyr	Ser	Leu		Phe	Ile	Phe	GŢĀ		Val	GLY	Asn	
231			35					40					45				
	ATG																431
233	Met	Leu	Val	Ile	Leu	Ile	Leu	_Ile_	Asn-	-Cys	Lys-	Arg	Leu	Lys	Ser	Met	





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234	» Cm	50	N M C	ma a	CITIC	CmC	55	CITIC	CCC	אשמ	m/cm	60	CITIC	mmm	mmc	C m m	479
								CTG									4/9
237		ASP	116	ıyı	Leu	70	ASII	Leu	АТа	116	75	MSP	ьеu	Pile	PHE	80	
		а Ст	GT/C	CCC	ጥጥር		ССТ	CAC	ጥለጥ	CCT		CCC	CAG	ጥርር	GAC	-	527
								His									321
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								Leu									373
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246			115					120					125	5	-1-		
	GCT	GTC	GTC	CAT	GCT	GTG	TTT	GCT	TTA	AAA	GCC	AGG	ACG	GTC	ACC	TTT	671
								Ala									
249		130					135			_		140					
250	GGG	GTG	GTG	ACA	AGT	GTG	ATC	ACT	TGG	GTG	GTG	GCT	GTG	TTT	GCG	TCT	719
								Thr									
252	145					150			_		155					160	
253	CTC	CCA	GGA	ATC	ATC	TTT	ACC	AGA	TCT	CAA	AAA	GAA	GGT	CTT	CAT	TAC	767
254	Leu	Pro	Gly	Ile	Ile	Phe	Thr	Arg	Ser	${\tt Gln}$	Lys	Glu	Gly	Leu	His	Tyr	
255					165					170					175		
256	ACC	TGC	AGC	TCT	CAT	TTT	CCA	TAC	ATT	AAA	GAT	AGT	CAT	CTT	GGG	GCT	815
257	Thr	Cys	Ser	Ser	His	Phe	Pro	Tyr	Ile	Lys	Asp	Ser	His	Leu	Gly	Ala	
258				180					185					190			
								GGT									863
260	Gly	Pro	Ala	Ala	Ala	Cys	His	Gly	His	Leu	Leu	Leu	Gly	Asn	Pro	Lys	
261			195					200					205				
			_		_			TGAG	SAAG	AAG A	AGGC	ACAGO	G C	rgtg <i>i</i>	AGGCI	ľ	914
	Asn		Ala	Ser	Val	Ser											
264		210					215										074
																CCTTCT	974
																STTGGA	1034
																CATCAT	1094
																GCACAT AGCAAG	1154 1214
																CGGACT	1214
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288					5					10	_			_	15		





VERIFICATION SUMMARY

PATENT APPLICATION: US/09/938,703

DATE: 12/19/2001 TIME: 12:44:36

Input Set : N:\Crf3\RULE60\09938703.txt Output Set: N:\CRF3\12192001\1938703.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:418 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7

 $L\!:\!462$ M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

L:477 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8

 $L:509 \ M:341 \ W: \ (46) \ "n" \ or "Xaa" \ used, for SEQ ID#:8$ L:521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

L:536 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9 L:595 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10

L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10